



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Coastal Innovative Products, Inc.
941 N. Alm Street Suite-C
Orange, CA. 92867

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: LANAI Series Aluminum Out folding Doors-L.M.I.

APPROVAL DOCUMENT: Drawing No. CIP001 Rev C, titled "E-3 Hurricane" Bi-folding Door", sheets 1 through 11 of 11, prepared by Building Drops Inc., dated 10/06/10 and last revised on 08-26-2015, signed and sealed by Hermes F. Norero, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:

1. See Design Pressure rating Vs sill types in sheet 1.
2. See Recess threshold detail for Low Rise and Flush Sill into wood substrate and concrete substrate in sheet 11.
3. Insulated glass interlayer "Sentryglas" by Kurraray America Inc. (Formally known DuPont De Nemours & Co.).
4. Steel stud installation to be reviewed by AHJ for structural adequacy and code requirements.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA# 14-0910.09 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

MIAMI-DADE COUNTY
APPROVED

NOA No. 16-0303.03
Expiration Date: July 21, 2021
Approval Date: April 07, 2016
Page 1

3/26/16

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (Submitted under files listed below)
2. Drawing No. **CIP001 Rev C**, titled "E-3 Hurricane" Bi-folding Door", sheets 1 through 11 of 11, prepared by Building Drops Inc., dated 10/06/10 and last revised on 08-26-2015, signed and sealed by Hermes F. Norero, P.E.

B. TESTS (Submitted under files #14-0910.09/#12-0326.09/#10-1019.02)

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94 (See Sill types, sheet 1)
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of Out folding aluminum doors, prepared by Architectural Testing, Test Report No. **A0896.02-301-18**, dated 09/29/10, signed and sealed by Joseph A. Reed, P. E.

Additional Referenced test report, along w/ marked-up drawings and installation diagram of In folding aluminum doors, prepared by Architectural Testing, Test Report No. **A0896.01-301-18**, dated 09/29/10, signed and sealed by Joseph A. Reed, P. E., this outfolding was supplemented by an addendum letter dtd 02/01/11 by Architectural Testing, signed and sealed by Joseph A. Reed, P. E.

C. CALCULATIONS (submitted under files #14-0910.09)

1. Anchor verification calculations and comparative analysis complying with FBC-2014(5th Edition) and "No financial interest", prepared by Building Drops Inc., dated 08/26/15, signed and sealed by Hermes F. Norero, P.E
2. Glazing complies w/ ASTM E-1300-02, -04 &-09

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS


1. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** (Former E.I. DuPont DeNemours & Co., Inc. for the "**Sentry Glass ® (Clear and White) Glass Interlayers**", expiring on 07/04/18.
2. Thermoplastic properties of Santoprene 101-64 per ASTM D 412, ASTM D 395, ASTM D 624 and ASTM D 792 (Submitted under file #10-1019.02)

F. STATEMENTS

1. Statement letter of conformance to FBC 2014(5th Edition), prepared by Building Drops Inc., dated 07/11/14, signed & sealed by Hermes F. Norero, P.E.(submitted under files #14-0910.09)
2. Fictitious Business name (Lanai Doors) dated 07/10/2012, issued to Coastal Innovative Inc., issued by Orange County Clerk-Recorder, State of California
3. Lab compliance as part of the above referenced test report.

G. OTHER

1. This NOA **renews** NOA #14-0910.08, expiring on 07/21/21.
2. Test proposal #10-0393, dated June 14, 2010, approved by BCCO.



Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 16-0303.03

Expiration Date: July 21, 2021
Approval Date: April 07, 2016

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN. (SEE ANCHOR LAYOUT SHEETS 2 - 4)
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/16 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5. FOR INSTALLATION INTO WOOD FRAMING USE #14 WOOD SCREWS (MIN. F_y= 80 KSI) OF SUFFICIENT LENGTH TO ACHIEVE 2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE WITH MINIMUM 1 INCH EDGE DISTANCE.
6. FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 1/4 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 3/4 INCH MINIMUM EMBEDMENT AND WITH MINIMUM 2-1/2 INCH EDGE DISTANCE.
7. FOR INSTALLATION INTO 33 KSI STEEL STUD USE ¼"-14 TEKS SELCET, ELCO DRIL-FLEX, OR HILTI KWIK-FLEX SCREWS (GRADE 5), OF SUFFICIENT LENGTH TO ACHIEVE THREE (3) THREADS MINIMUM PENETRATION BEYOND THE STEEL STRUCTURE.
8. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
10. FOR GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
11. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED IN THIS APPROVAL.
12. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.

B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

C. GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.

D. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 33 MILS (20 GAUGE OR 0.033 IN.) MUST BE DESIGNED TO ADEQUATELY TRANSFER LOADS APPLIED.
13. THRESHOLD/SILL INSTALLATION: FLUSH GUIDE SILL (DETAIL D/5) & LOW-RISE SILL (DETAIL K/6) ARE LIMITED TO INSTALLATIONS AS SHOWN ON SHEET 11 INTO WOOD OR CONCRETE SUBSTRATES.

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 5TH EDITION FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:

TAS 201-94

TAS 202-94

TAS 203-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT. FOR NON-HVHZ AREA, INSTALLATION TO BE REVIEWED BY AHJ (AUTHORITY HAVING JURISDICTION).
5. DEVIATION FROM THE APPROVED NOA IN HVHZ AREA REQUIRE A ONE TIME APPROVAL FROM MIAMI-DADE COUNTY.
6. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
7. DOOR FRAME MATERIAL: ALUMINUM 6063-T5
8. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 6 FOR GLAZING DETAILS.
9. SILICONE SEALANT TO BE APPLIED BETWEEN GLASS AND FRAME AND BETWEEN FRAME CORNERS AND PANEL CORNERS.
10. FOR INSTALLATION OF LOW-RISE AND FLUSH SILL 2X8 WOOD BUCK OR CONCRETE MUST BE RECESSED AND/OR ROUTED TO ACCOMMODATE THESE COMPONENTS PRIOR TO INSTALLATION.

COASTAL INNOVATIVE PRODUCTS

LANAI SERIES E3 HURRICANE

OUTWARD OPENING BI-FOLD DOOR

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| SHEET | REVISION | SHEET DESCRIPTION |
| 1 | C | INSTALLATION & GENERAL NOTES |
| 2 | C | ELEVATION & ANCHOR LAYOUT |
| 3 | C | ELEVATION & ANCHOR LAYOUT |
| 4 | C | ELEVATION & ANCHOR LAYOUT |
| 5 | C | VERTICAL SECTIONS |
| 6 | C | VERTICAL SECTIONS & GLAZING DETAILS |
| 7 | C | HORIZONTAL SECTIONS |
| 8 | C | COMPONENTS & BILL OF MATERIALS |
| 9 | C | COMPONENTS |
| 10 | C | CORNER DETAILS & CONFIGURATIONS |
| 11 | C | INSTALLATION PREPARATION DETAILS |

| DESIGN PRESSURE RATING | | | |
|------------------------|---------------------|---|--------------------------------------|
| GLAZE TYPE | DESIGN PRESSURE | | MISSILE IMPACT RATING |
| 1 & 2 | +55.0 / -55.0 PSF | W/ WATER INFILTRATION (STANDARD SILL ONLY) | LARGE AND SMALL MISSILE IMPACT RATED |
| | +70.0 / -70.0 PSF * | W/O WATER INFILTRATION (STANDARD, FLUSH, & LOW RISE SILL) | |

*UNIT SHALL BE INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THE OVERHANG RATIO (OH) = OH LENGTH/OH HEIGHT GREATER THAN 1.0 WHERE WATER INFILTRATION IS REQUIRED.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 16-0303-03
Expiration Date July 21, 2021
By Ishag J. Chant
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0910-09
Expiration Date July 21, 2014
By Ishag J. Chant
Miami Dade Product Control

DATE: 10.6.10
DWN BY: JLA
CHK BY: KSD
SCALE: NTS
DWG #: CIP001
SHEET: 1 OF 11

REVISIONS

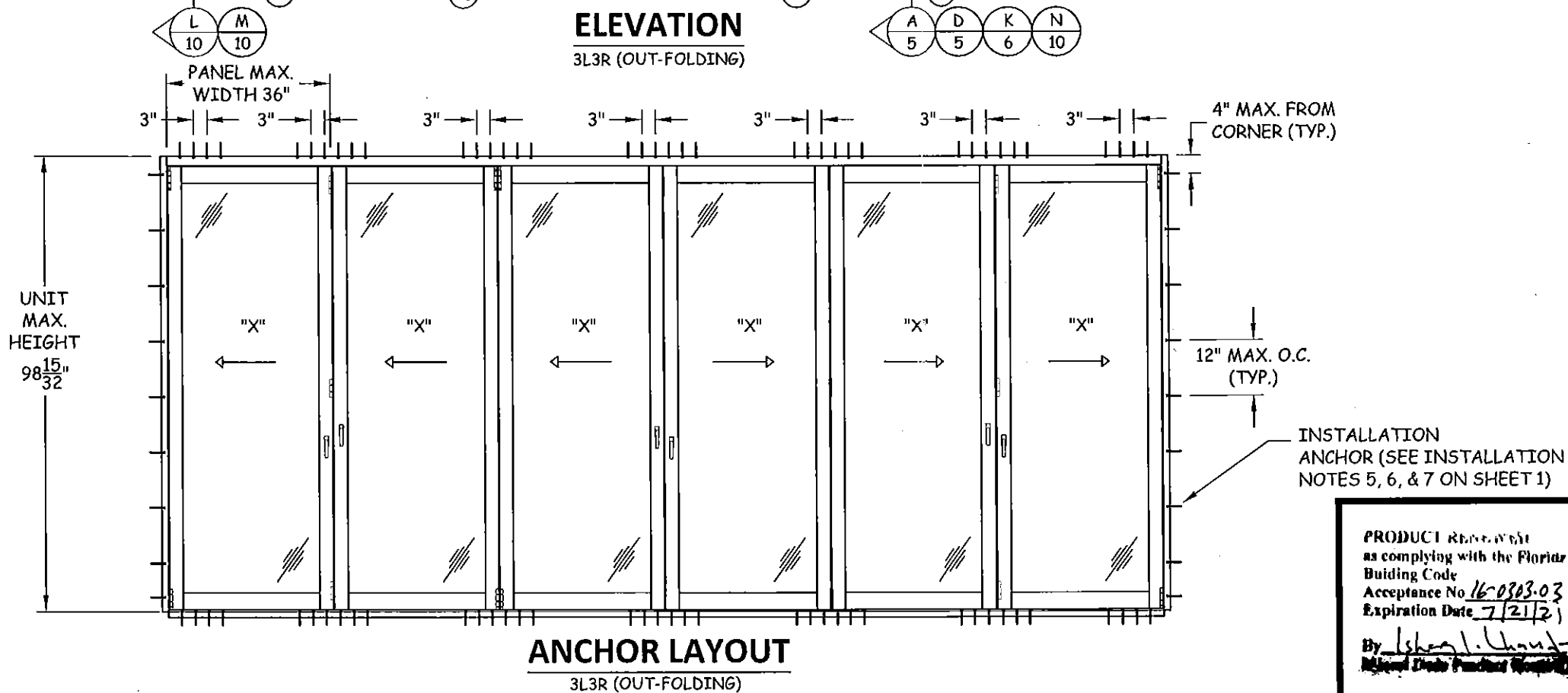
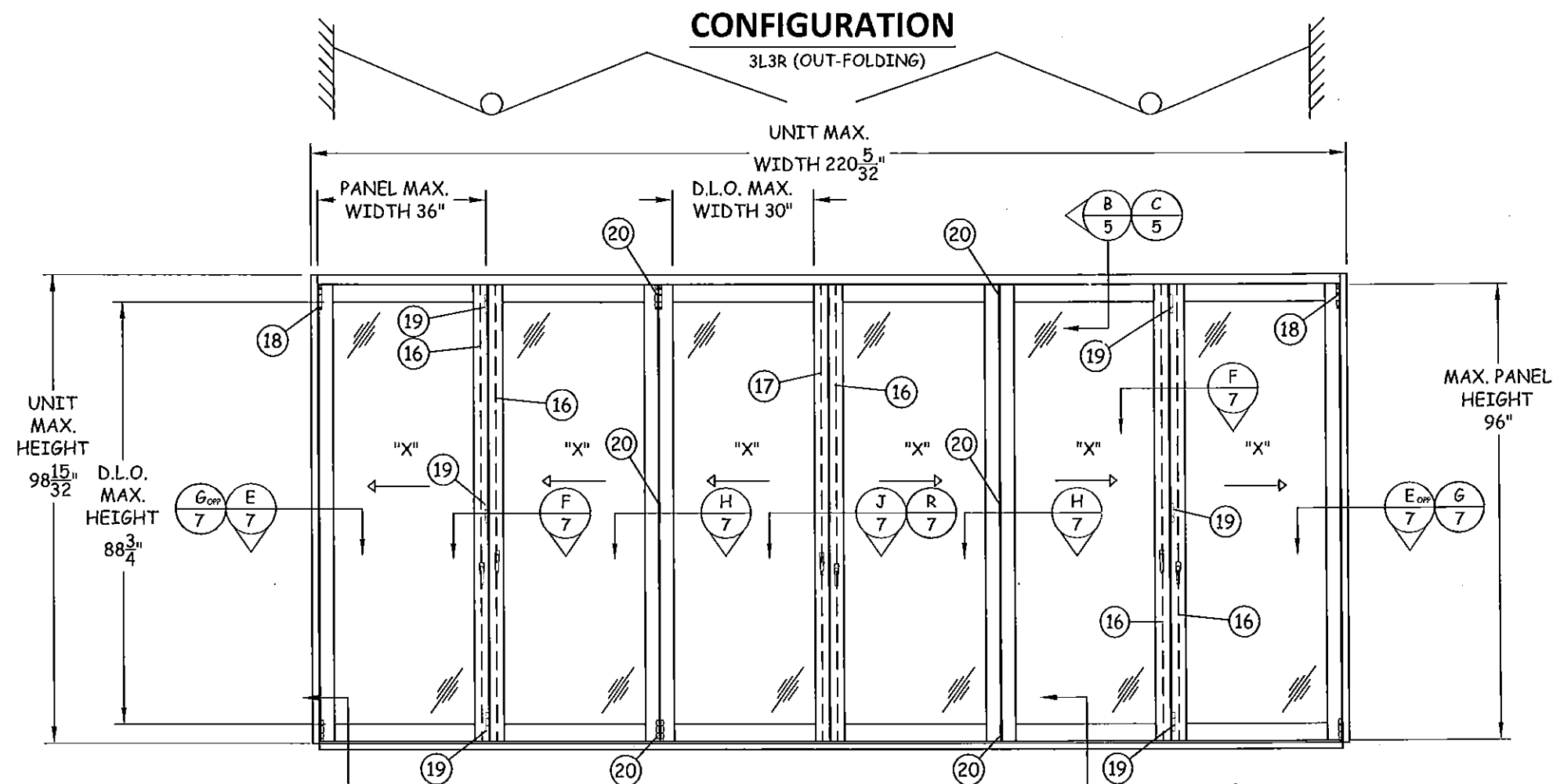
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| A | 2010 FBC CODE UPDATE | MS | 2.21.12 |
| B | 5TH EDITION FBC CODE UPDATE | MS | 7.11.14 |
| C | MD RER COMMENTS | SM | 7.28.15 |

TITLE:
E3 HURRICANE BIFOLD DOOR
INSTALLATION &
GENERAL NOTES

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

LANAI
DOORS™
DESIGN THE OUTDOORS IN

COASTAL INNOVATIVE PRODUCTS
941 NORTH ELM STREET, STE. C
ORANGE, CA 92667
PH: (714) 744-6020 FX: (714) 744-6030



COASTAL INNOVATIVE PRODUCTS
941 NORTH ELM STREET, STE. C
ORANGE, CA 92867
PH: (714) 744-6020 FX: (714) 744-6030

TITLE: E3 HURRICANE BIFOLD DOOR
ELEVATION &
ANCHOR LAYOUT

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

| NO. | DESCRIPTION | BY | DATE |
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| B | 5TH EDITION FBC CODE UPDATE | MS | 7.11.14 |
| C | MD RER COMMENTS | SM | 7.28.15 |

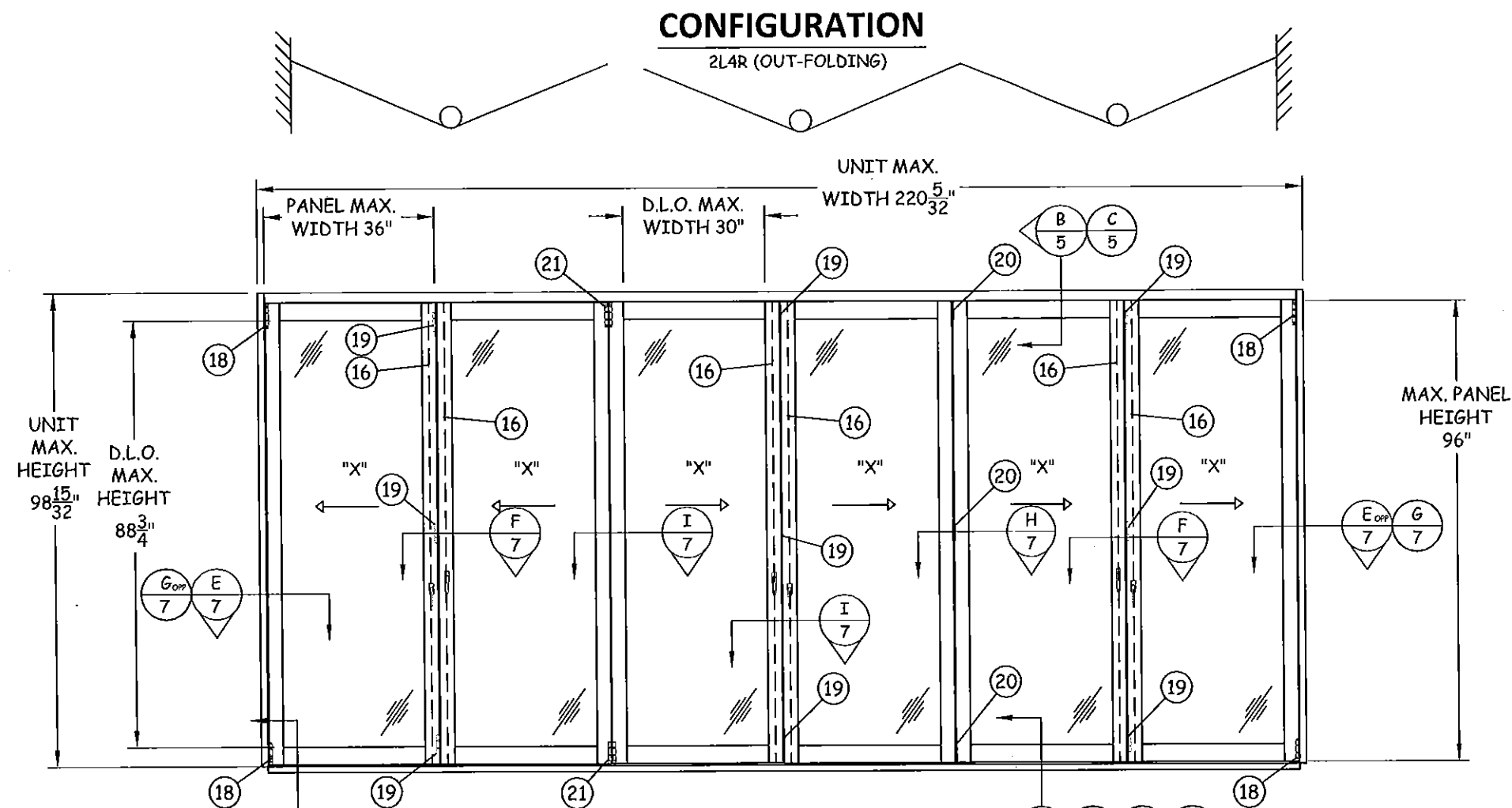
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8-26-2015
HERNAN F. NOREDO, P.E.
FLORIDA P.E. NO. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
FBC CERT. OF AUTHORIZATION NO. 22578

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 16-0383-03
Expiration Date 7/21/21
By: *[Signature]*
Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0910-09
Expiration Date 7/21/16
By: *[Signature]*
Product Control

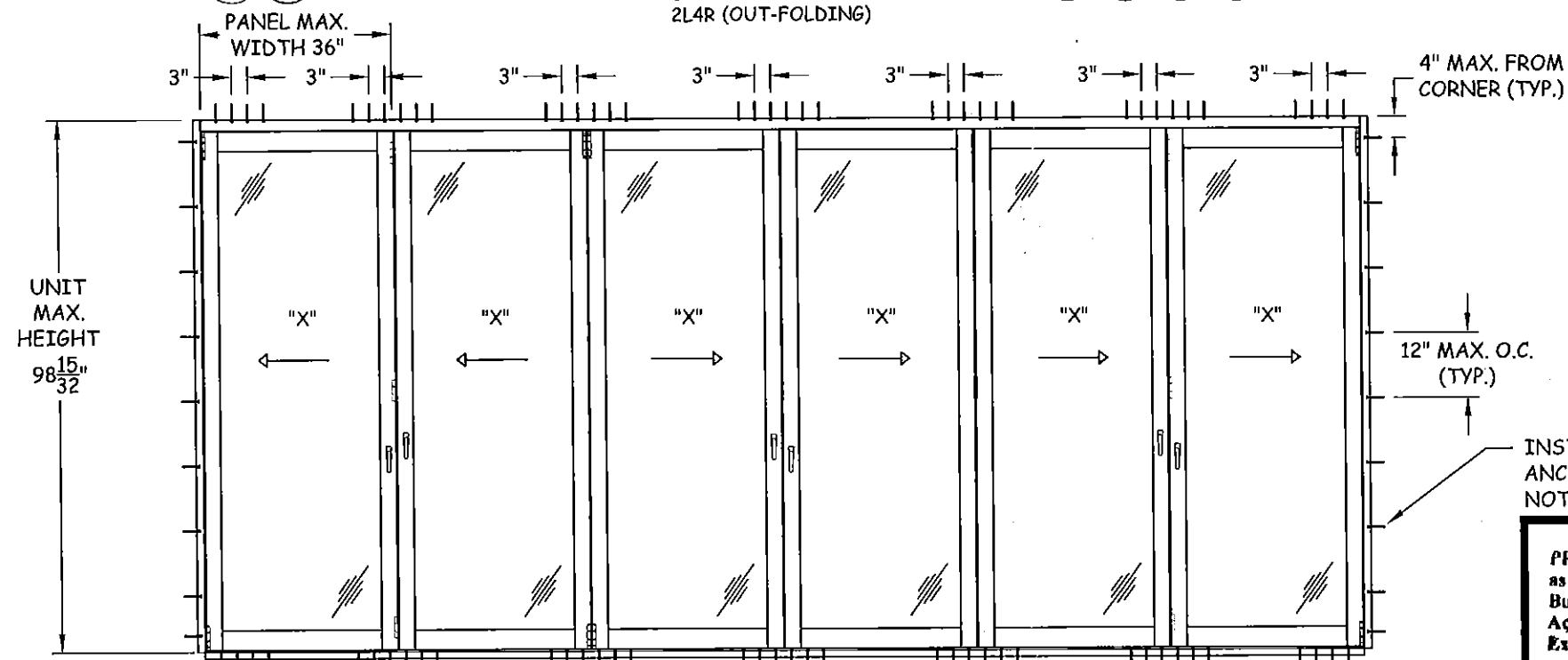
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DWN BY: JLA
CHK BY: KSD
SCALE: NTS

DWG #: CIP001
SHEET: 2 OF 11



ELEVATION

2L4R (OUT-FOLDING)



ANCHOR LAYOUT

2L4R (OUT-FOLDING)

INSTALLATION
ANCHOR (SEE INSTALLATION
NOTES 5, 6, & 7 ON SHEET 1)

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 16-0302-03
Expiration Date 7/21/12
By *Isaac L. Hanks*
National Door Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0910-09
Expiration Date 7/21/16
By *Isaac L. Hanks*
National Door Product Control

LANAI DOORS
DESIGNING THE OUTDOORS IN
COASTAL INNOVATIVE PRODUCTS
941 NORTH ELM STREET, STE. C
ORANGE, CA 92667
PH: (714) 744-6020 FX: (714) 744-6030

TITLE: E3 HURRICANE BIFOLD DOOR
ELEVATION &
ANCHOR LAYOUT
PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

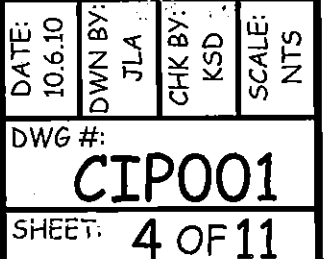
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| B | 5TH EDITION FBC CODE UPDATE | MS | 7.11.14 |
| C | MD RER COMMENTS | SM | 7.28.15 |

8-26-2015
HERMES F. NORRIS, P.E.
FLORIDA P.E. NO. 73778
BUILDING DROPS, INC., STE. 338
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
FBC CERT. OF AUTHORIZATION NO. 20578

DATE: 10.6.10
DWN BY: JLA
CHK BY: KSD
SCALE: NTS
DWG #: CIP001
SHEET: 3 OF 11

6R (OUT-FOLDING)



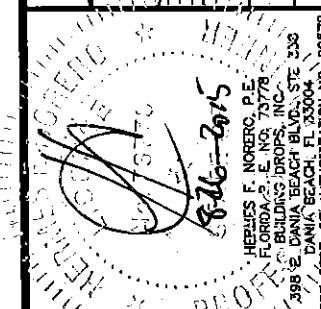


COASTAL INNOVATIVE PRODUCTS
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PH: (714) 744-6020 FX: (714) 744-6030

TITLE: E3 HURRICANE BIFOLD DOOR
VERTICAL SECTIONS

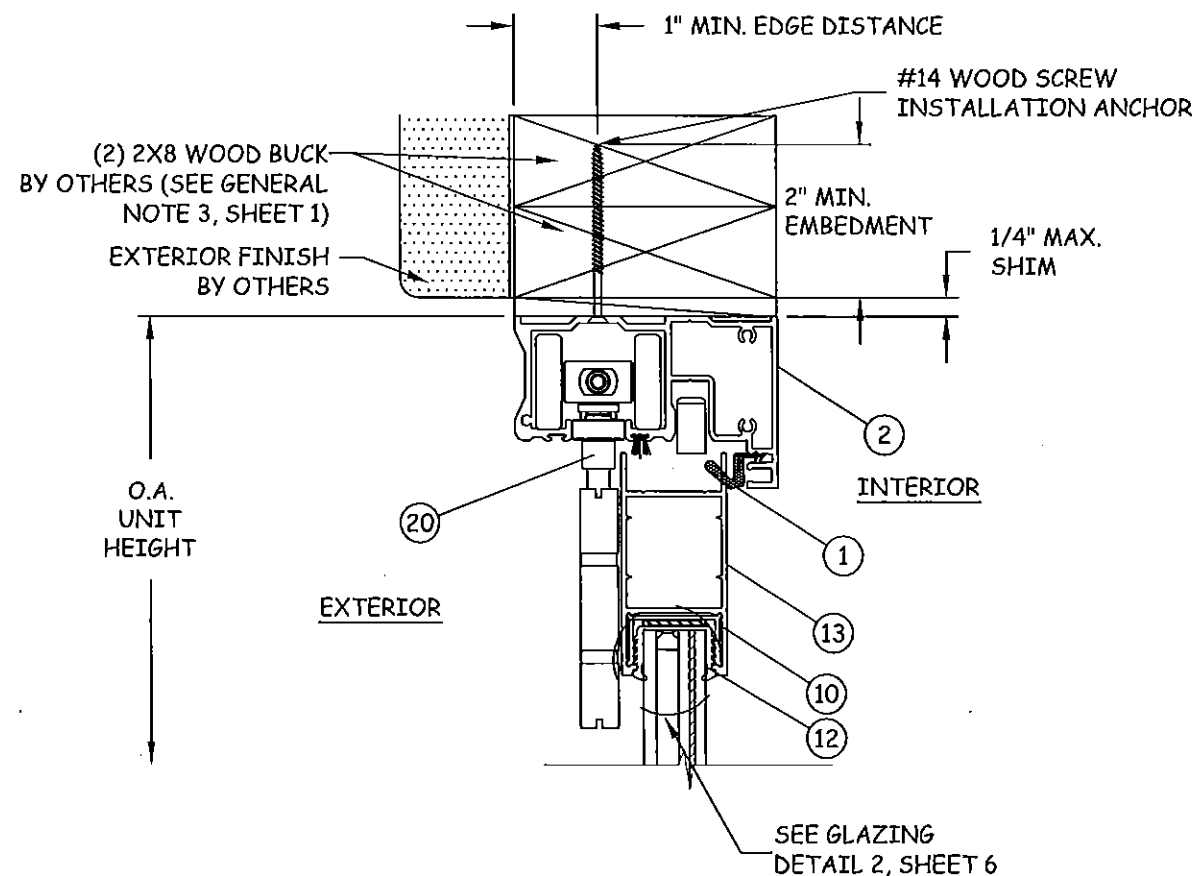
PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

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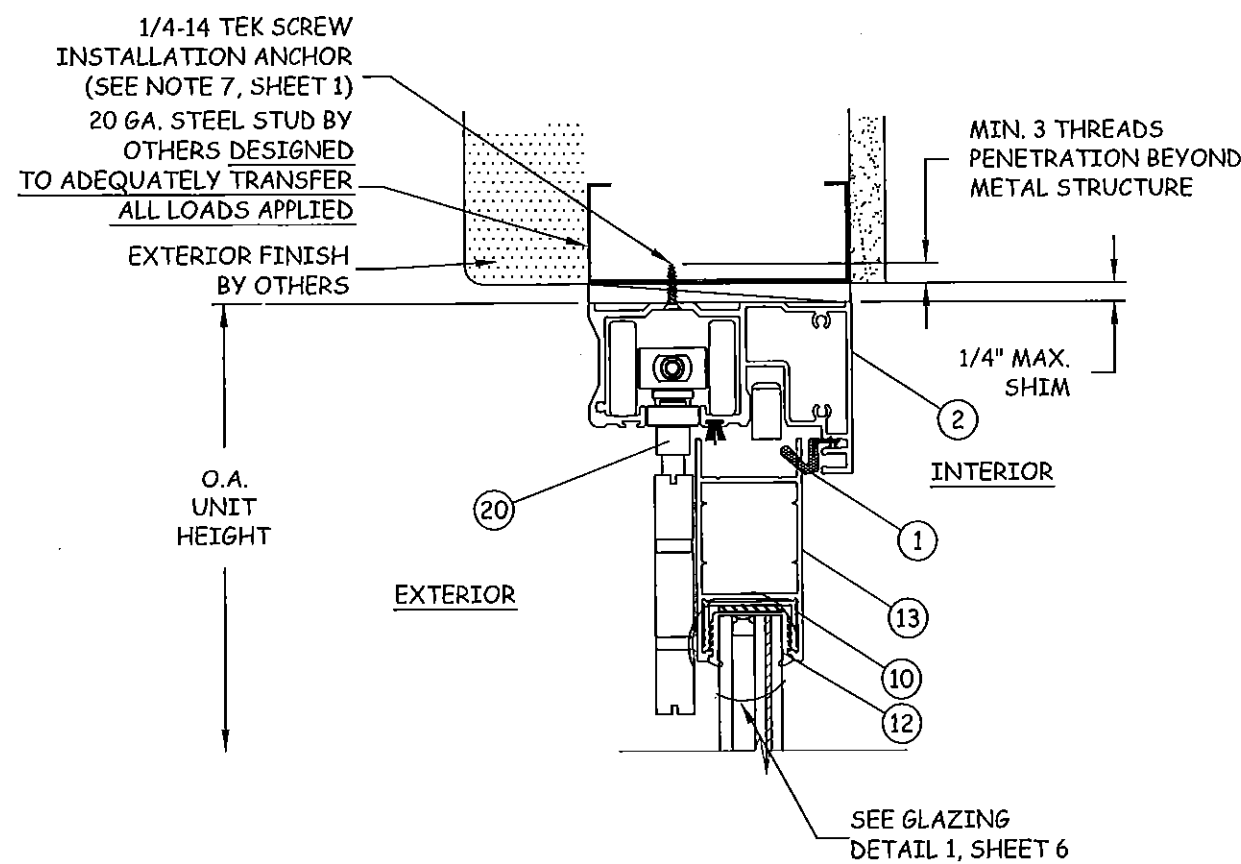
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SCALE: NTS

DWG #: CIP001
SHEET: 5 OF 11



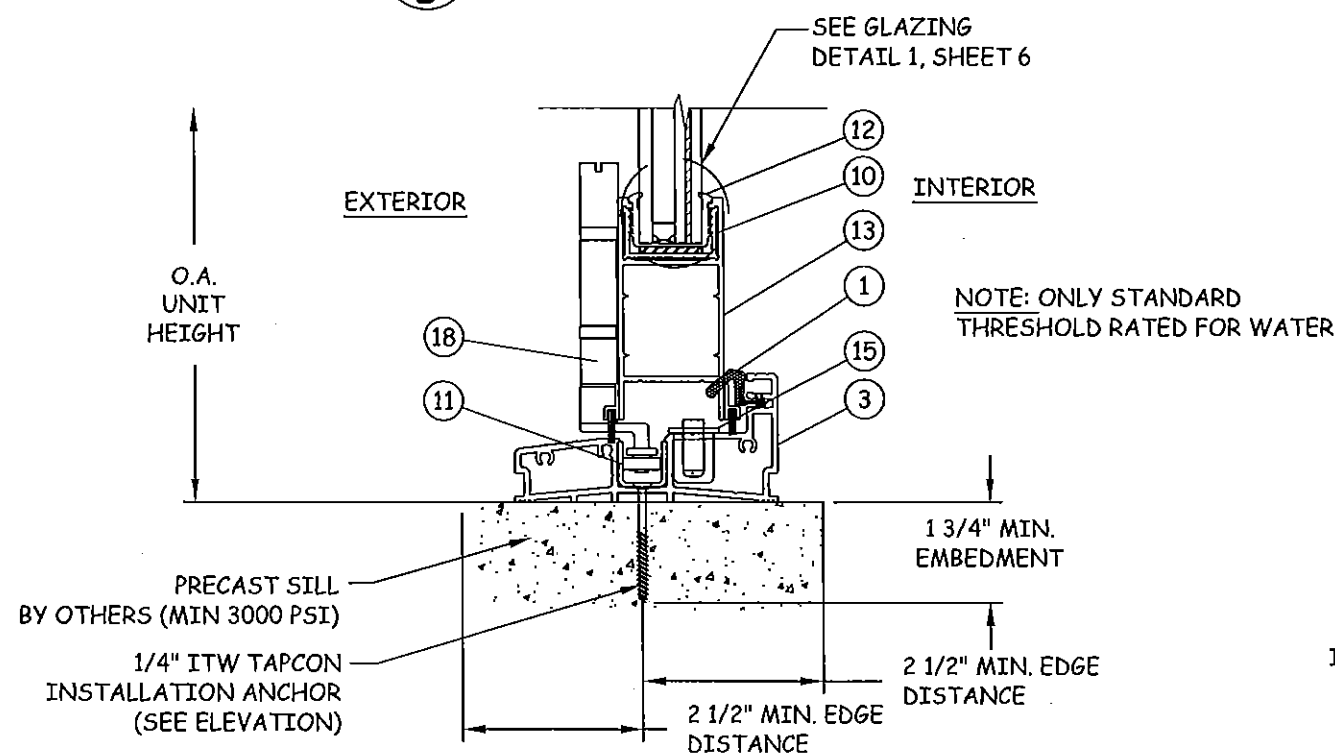
MAX UNIT HEIGHT
98-15/32"

B
5 VERTICAL SECTION
HEAD - 2X WOOD FRAME

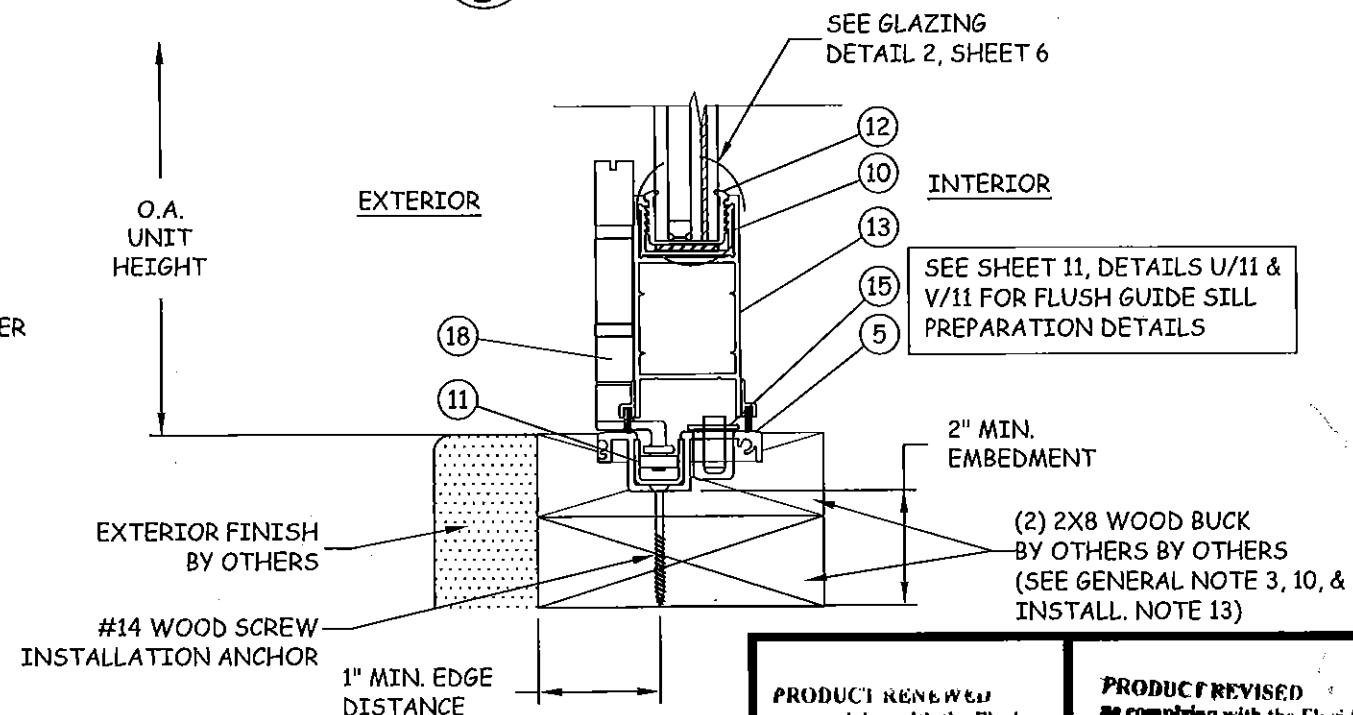


MAX UNIT HEIGHT
98-15/32"

C
5 VERTICAL SECTION
HEAD - STEEL STUD



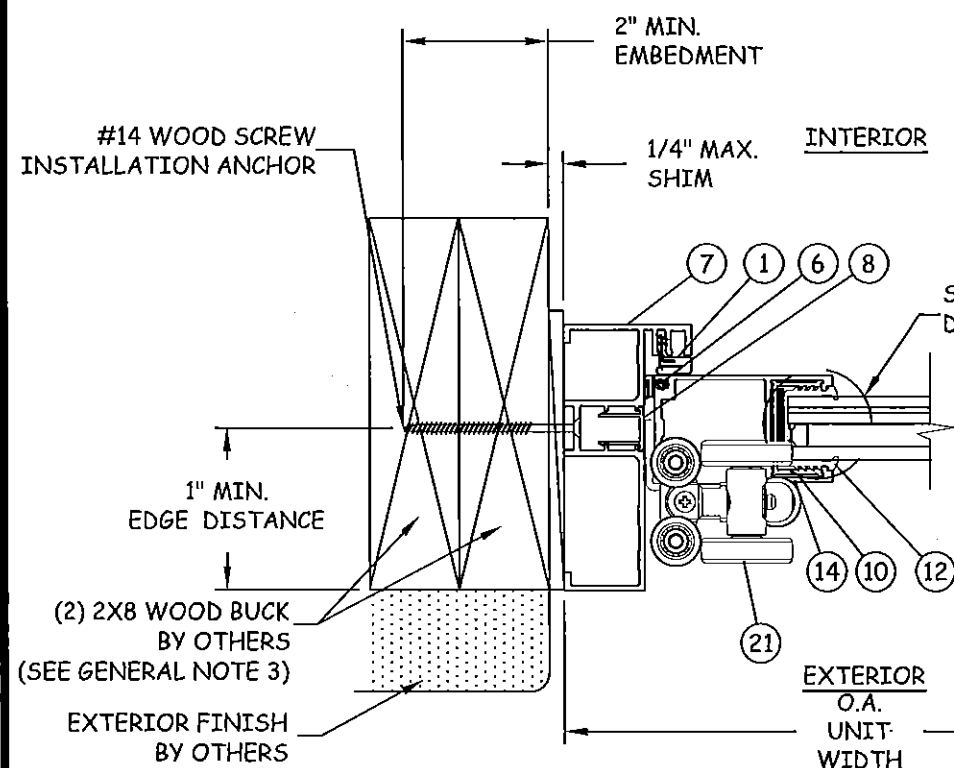
A
5 VERTICAL SECTION
SILL - CONCRETE/MASONRY
STANDARD THRESHOLD



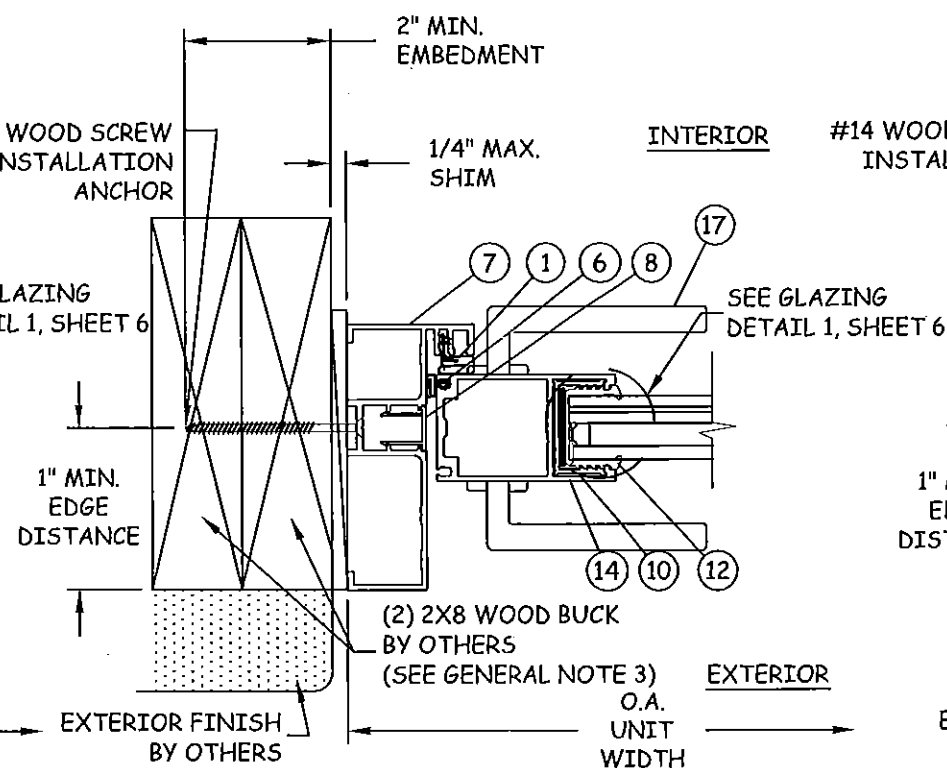
D
5 VERTICAL SECTION
SILL - 2X WOOD FRAME
FLUSH GUIDE THRESHOLD

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 16-0303.03
Expiration Date 7/21/21
By: [Signature]
National Product Control

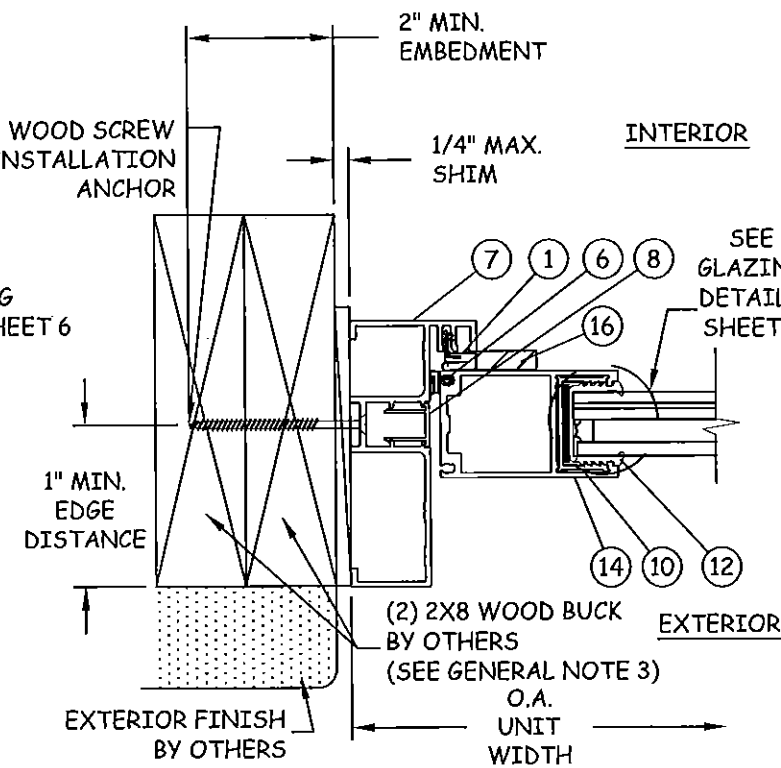
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Acceptance No. 14-0910.09
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By: [Signature]
National Product Control



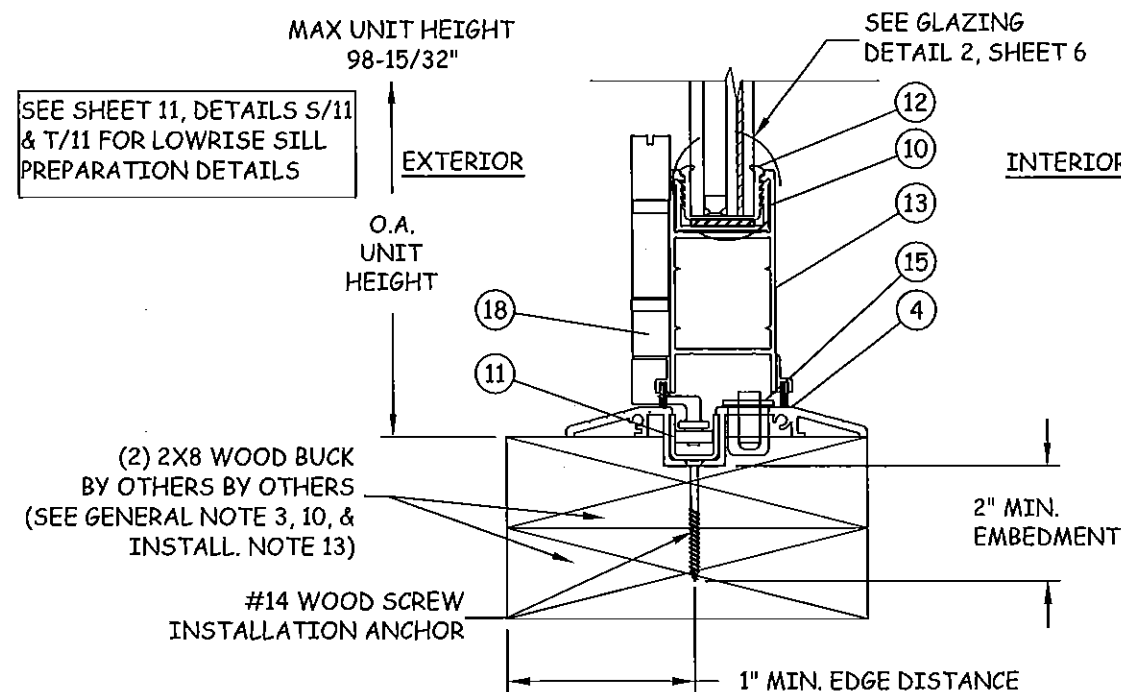
O6 HORIZONTAL SECTION
JAMB - 2X WOOD FRAME
END CARRIER TO JAMB
(ONLY ON EVEN NUMBER CONFIGURATIONS, SEE SCHEDULE SHEET 10)



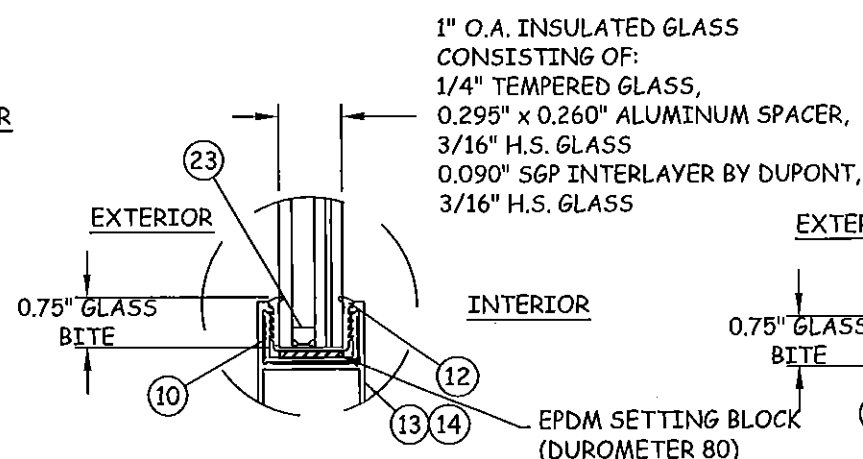
P6 HORIZONTAL SECTION
JAMB - 2X WOOD FRAME
MULTI POINT LOCK TO JAMB
(ONLY ON ODD NUMBER CONFIGURATIONS, SEE SCHEDULE SHEET 10)



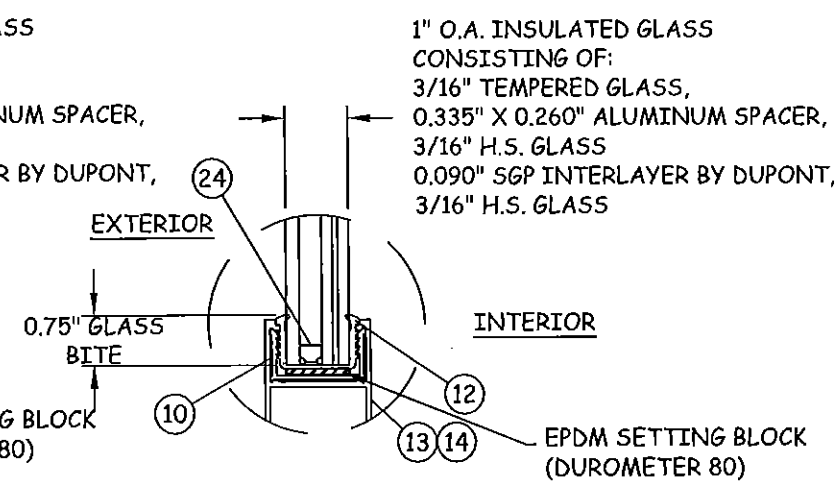
Q6 HORIZONTAL SECTION
JAMB W/ 2-PT. LOCK - 2X WOOD FRAME
TWIN BOLT LOCK TO JAMB
(ONLY ON ODD NUMBER CONFIGURATIONS, SEE SCHEDULE SHEET 10)



K6 VERTICAL SECTION
SILL-2X WOOD FRAME
LOWRISE THRESHOLD



DRY GLAZING DETAIL 2



DRY GLAZING DETAIL 1

NOTE: GE II SILICONE
REQUIRED BETWEEN GLASS
AND FRAME WHERE WATER
INFILTRATION IS REQUIRED.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 16-0303.03
Expiration Date 7/21/21
By: [Signature]
Michael J. [Signature]

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0910.09
Expiration Date 7/21/16
By: [Signature]
Michael J. [Signature]

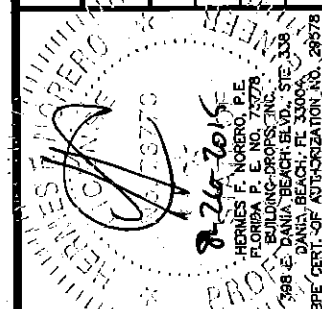
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CHK BY: KSD
SCALE: NTS
DWG #: CIP001
SHEET: 6 OF 11

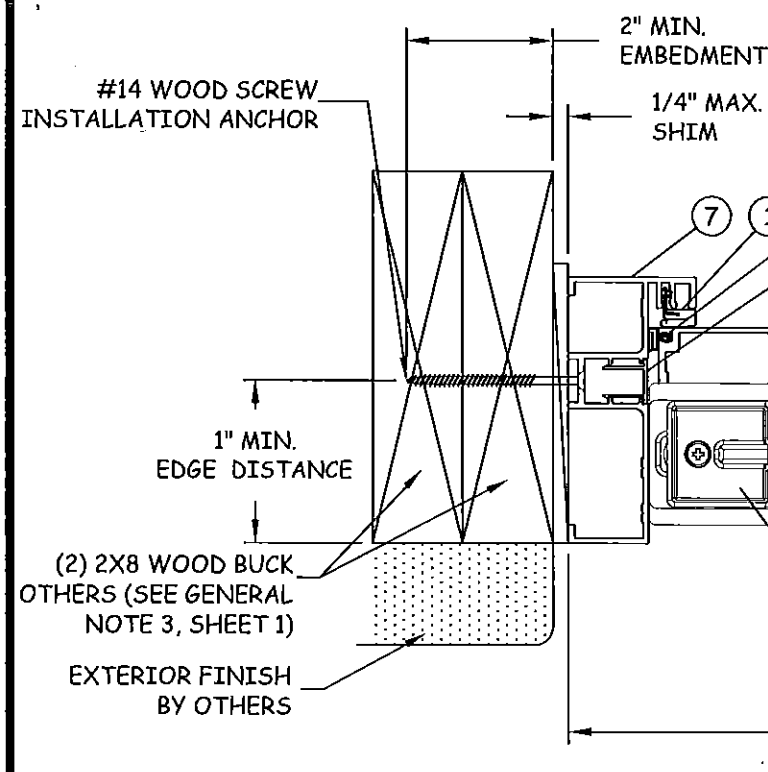


COASTAL INNOVATIVE PRODUCTS
941 NORTH ELM STREET, STE. C
ORANGE, CA 92667
PH: (714) 744-6020 FX: (714) 744-6030

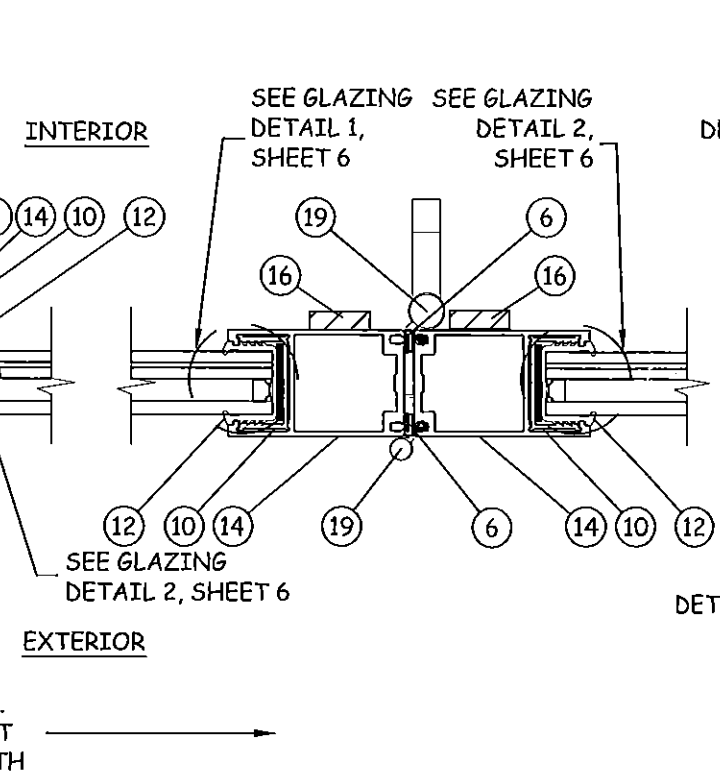
TITLE: E3 HURRICANE BIFOLD DOOR
VERTICAL SECTIONS
& GLAZING DETAILS
PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

| NO. | DESCRIPTION | BY | DATE |
|-----|-----------------------------|----|---------|
| 1 | 2010 FBC CODE UPDATE | MS | 2.21.12 |
| 2 | 5TH EDITION FBC CODE UPDATE | MS | 7.11.14 |
| 3 | MD RER COMMENTS | SM | 7.28.15 |

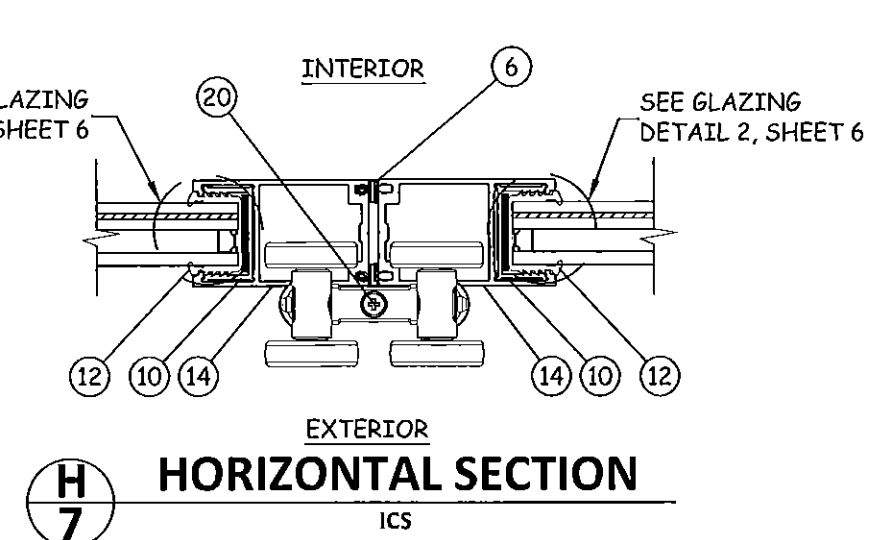




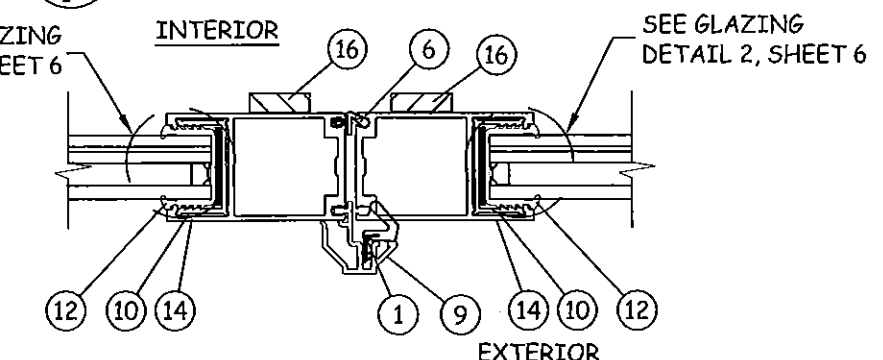
E
7 **HORIZONTAL SECTION**
JAMB - 2X WOOD BUCK



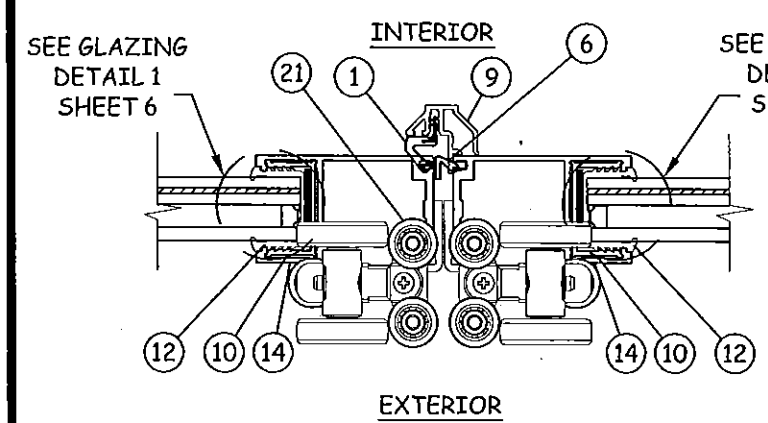
F
7 **HORIZONTAL SECTION**
HHS/HS & TWIN BOLTS



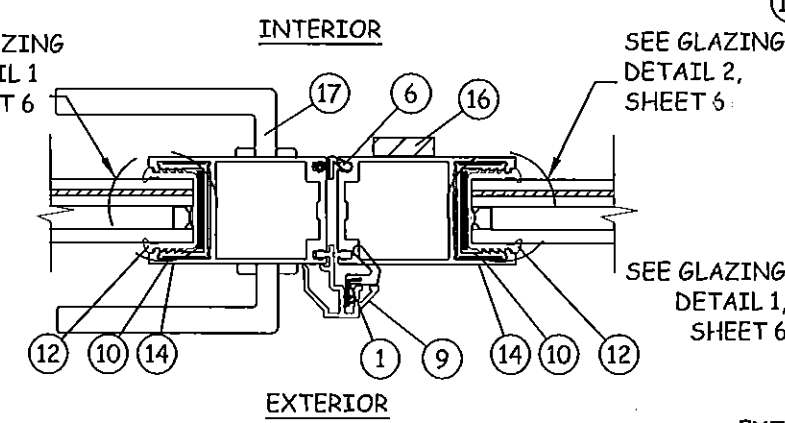
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7 **HORIZONTAL SECTION**
ICS



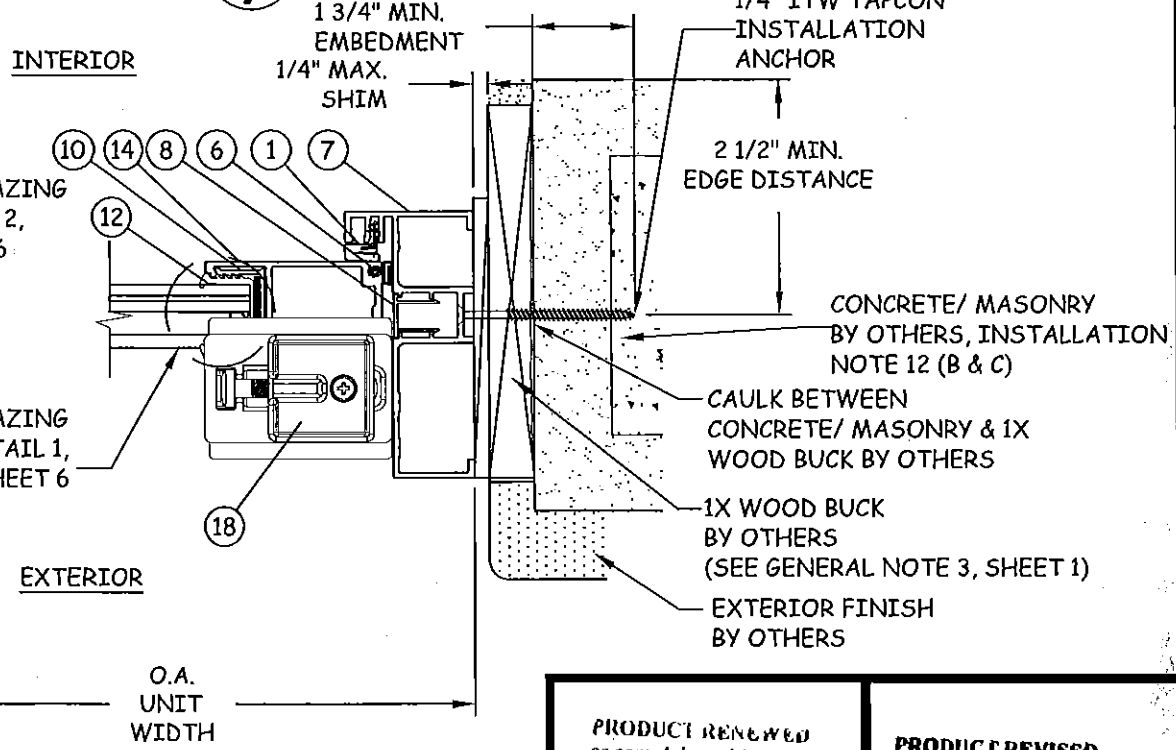
R
7 **HORIZONTAL SECTION**
DOUBLE TWIN BOLT



I
7 **HORIZONTAL SECTION**
RCS/LCS



J
7 **HORIZONTAL SECTION**
4 POINT DOOR HANDLE & TWIN BOLT



G
7 **HORIZONTAL SECTION**
JAMB - CONCRETE/MASONRY



COASTAL INNOVATIVE PRODUCTS
941 NORTH ELM STREET, STE. C
ORANGE, CA 92667
PH: (714) 744-6020 FX: (714) 744-6030

TITLE: E3 HURRICANE BIFOLD DOOR
HORIZONTAL SECTIONS
PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

| REVISIONS | | DESCRIPTION | BY | DATE |
|-----------|---|-----------------------------|----|---------|
| 1 | A | 2010 FBC CODE UPDATE | MS | 2.21.12 |
| 2 | B | 5TH EDITION FBC CODE UPDATE | MS | 7.11.14 |
| 3 | C | MD RER COMMENTS | SM | 7.28.15 |

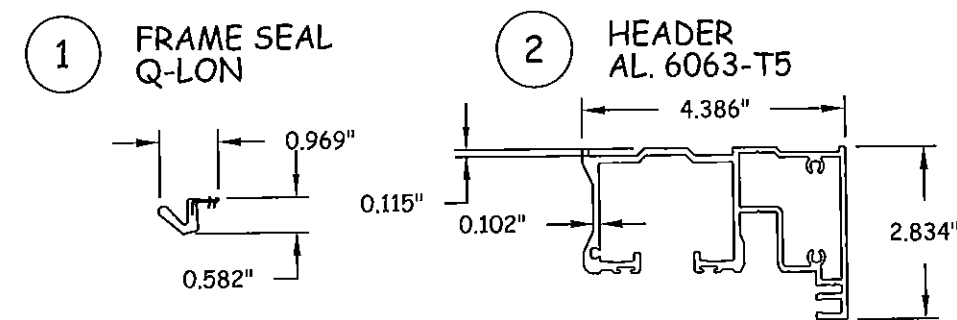
8-24-2015
HERNANDEZ, J. A.
FLORIDA P.E. NO. 75778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
FBC CERT. OF AUTHORIZATION NO. 29378

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 16-030863
Expiration Date 7/21/21
By: [Signature]
Product Control

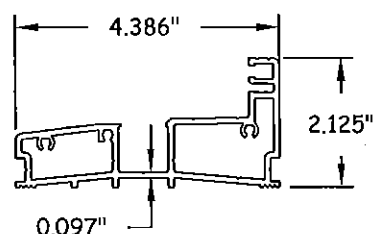
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-091005
Expiration Date 7/21/16
By: [Signature]
Product Control

DATE: 10.6.10
DWN BY: JLA
CHK BY: KSD
SCALE: NTS
DWG #: CIP001
SHEET: 7 OF 11

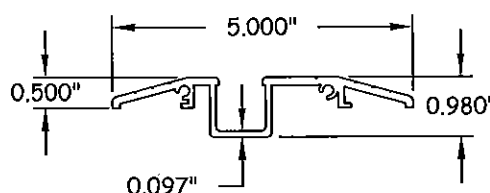
| BILL OF MATERIALS | | | | |
|-------------------|------------------------|---------------------------------|--|--|
| ITEM NO. | DESCRIPTION | PART NUMBER | MATERIAL | MANUFACTURER |
| 1 | DOOR SEAL | QEBD 650 | Q-LON | SCHLEGEL |
| 2 | HEADER | | AL. 6063-T5 | COASTAL INNOVATIVE PRODUCTS |
| 3 | STD. THRESHOLD | | AL. 6063-T5 | COASTAL INNOVATIVE PRODUCTS |
| 4 | LOWRISE THRESHOLD | | AL. 6063-T5 | COASTAL INNOVATIVE PRODUCTS |
| 5 | FLUSH GUIDE THRESHOLD | | AL. 6063-T5 | COASTAL INNOVATIVE PRODUCTS |
| 6 | WET/HERSEAL | QWS-DH1 | Q-LON | SCHLEGEL |
| 7 | JAMB | | AL. 6063-T5 | COASTAL INNOVATIVE PRODUCTS |
| 8 | JAMB COVER | | AL. 6063-T5 | COASTAL INNOVATIVE PRODUCTS |
| 9 | ASTRAGAL | | AL. 6063-T5 | COASTAL INNOVATIVE PRODUCTS |
| 10 | GLAZING CLIP | | AL. 6063-T5 | COASTAL INNOVATIVE PRODUCTS |
| 11 | THRESHOLD INSERT | | RIGID PVC | COASTAL INNOVATIVE PRODUCTS |
| 12 | DRY GLAZING GASKET | | SANTOPRENE 101-64 TPV/TPE DUROMETER=64 | COASTAL INNOVATIVE PRODUCTS (RAW MATERIAL BY EXXON MOBIL CHEMICAL CO.) |
| 13 | DOOR RAIL | | AL. 6063-T5 | COASTAL INNOVATIVE PRODUCTS |
| 14 | DOOR STILE | | AL. 6063-T5 | COASTAL INNOVATIVE PRODUCTS |
| 15 | DOUBLE SHOOT BOLT CUPS | | ZYTEL 70633L NC010 | |
| 16 | TWO PT. LOCK | TBL NL L/THROW | ZINC ALLOY | INTERLOCK |
| 17 | FOUR PT. LOCK | LCL 30R4PS | ZINC ALLOY | INTERLOCK |
| 18 | PIVOT | E3 CPS | STAINLESS STEEL | CENTOR |
| 19 | HINGES | E3 HS/ HHS/ HHNH/ HNH/ HNH/ HNH | STAINLESS STEEL | CENTOR |
| 20 | IGS | E3 CRCS/CLCS | STAINLESS STEEL | CENTOR |
| 21 | END CARRIER RCS/LCS | E3 CICS | STAINLESS STEEL | CENTOR |
| 22 | MIDRAIL | | AL. 6063-T5 | COASTAL INNOVATIVE PRODUCTS |
| 23 | 0.295" I.G. SPACER | 756 | AL. 6063-0 | HELIMA |
| 24 | 0.335" I.G. SPACER | 856 | AL. 6063-0 | HELIMA |



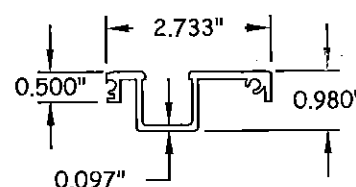
3 STANDARD THRESHOLD
AL. 6063-T5



4 LOWRISE THRESHOLD
AL. 6063-T5



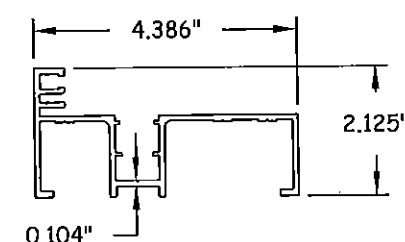
5 FLUSH GUIDE THRESHOLD
AL. 6063-T5



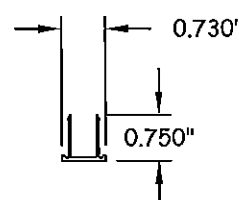
6 DOOR SEAL
Q-LON



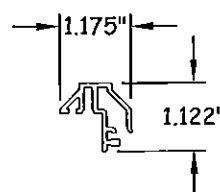
7 JAMB
AL. 6063-T5



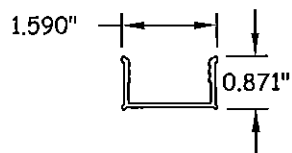
8 JAMB COVER
AL. 6063-T5



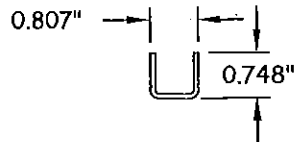
9 ASTRAGAL
AL. 6063-T5



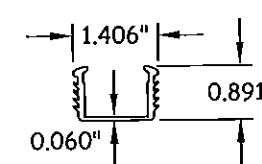
10 GLAZING CLIP
AL. 6063-T5



11 THRESHOLD INSERT
RIGID PVC



12 DRY GLAZING GASKET
SANTOPRENE 101-64



1. MIN. DUROMETER (SHORE A HARDNESS) = 64
2. MIN. TENSILE STRENGTH @ BREAK = 1020 PSI
3. COMPRESSION SET = 26%
4. TEAR STRENGTH = 131 LBF/IN
5. ELONGATION % = 340-463
6. SPECIFIC GRAVITY = MIN. 0.96

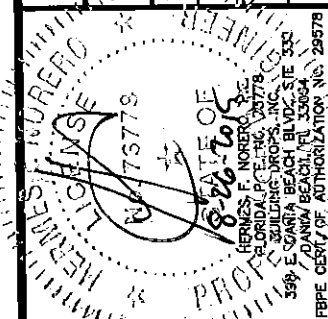
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 16-0303-03
Expiration Date 7/21/21
By: [Signature]
Internal Shop Product Control

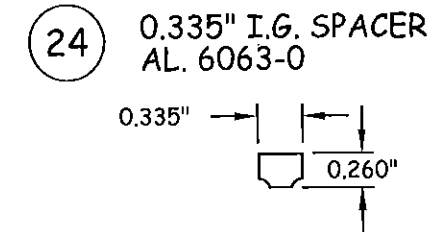
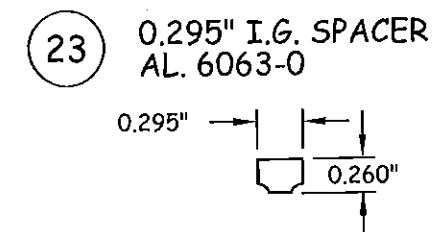
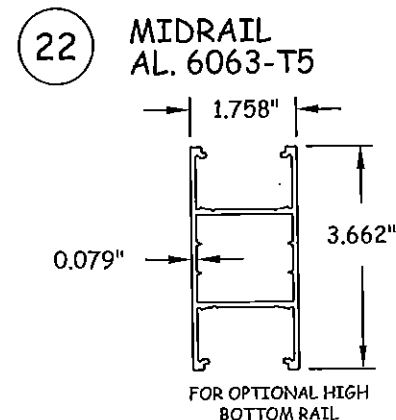
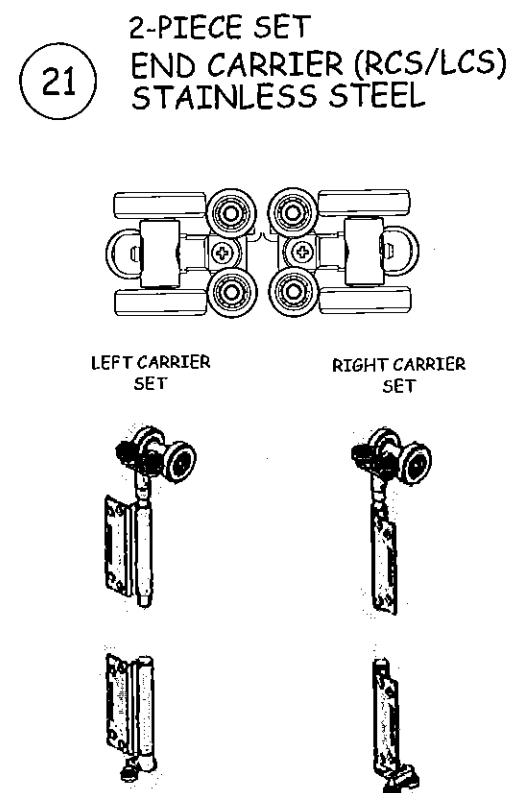
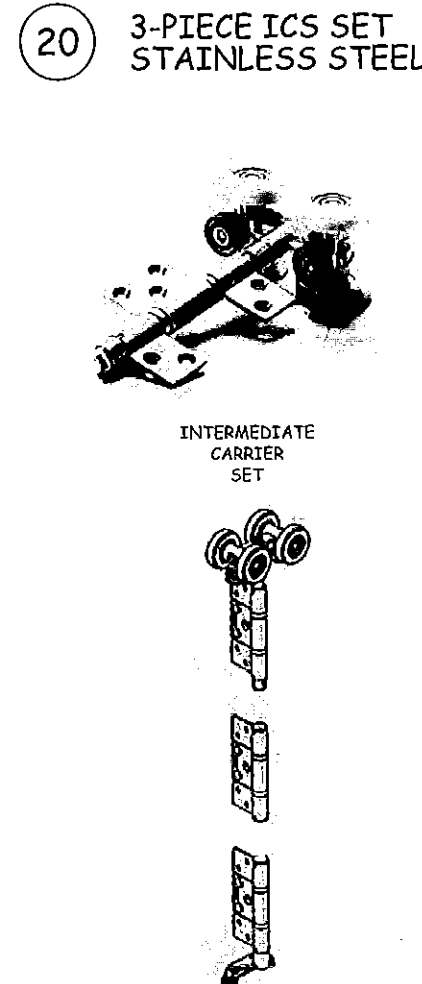
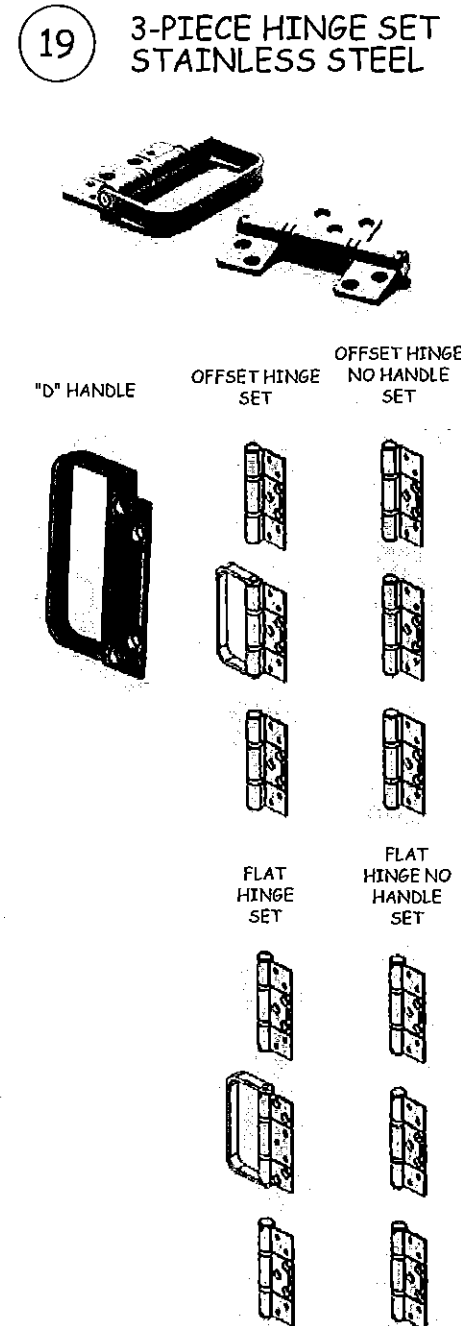
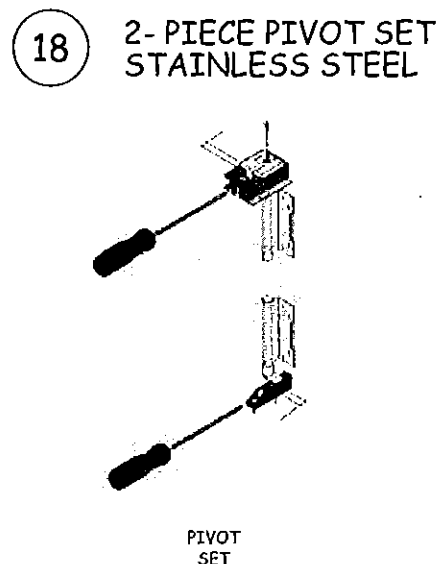
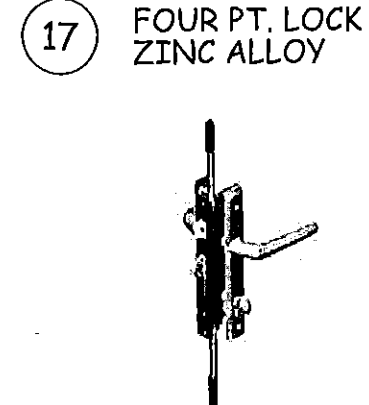
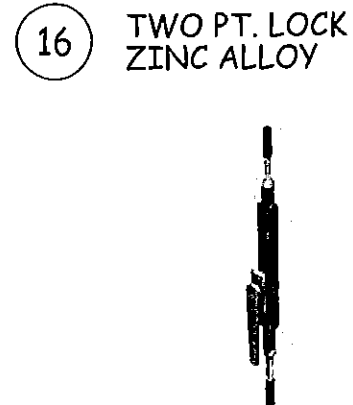
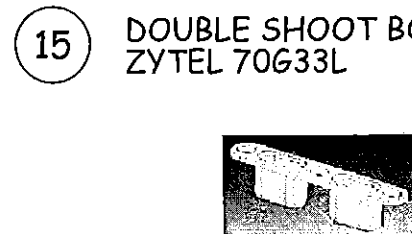
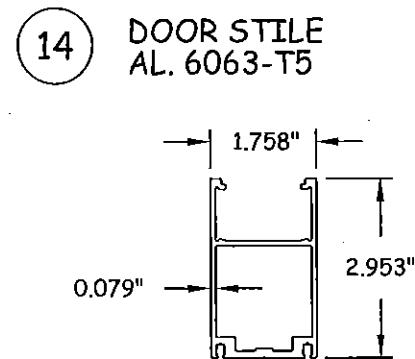
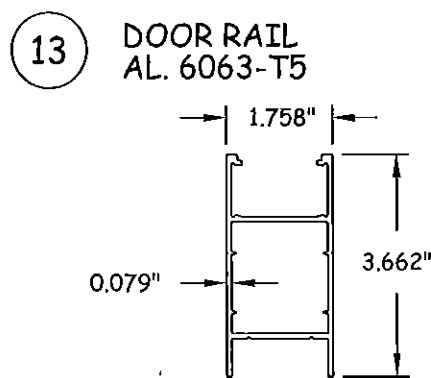
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0910-0
Expiration Date 7/21/16
By: [Signature]
Internal Shop Product Control

DATE: 10.6.10
DWN BY: JLA
CHK BY: KSD
SCALE: NTS
DWG #: CIP001
SHEET: 8 OF 11

TITLE: E3 HURRICANE BIFOLD DOOR
COMPONENTS &
BILL OF MATERIALS
PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

LANAI DOORS
COASTAL INNOVATIVE PRODUCTS
941 NORTH ELM STREET, STE. C
ORANGE, CA 92667
PH: (714) 744-6020 FX: (714) 744-6030

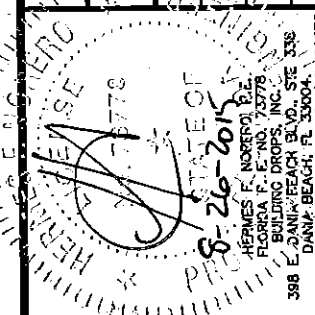




COASTAL INNOVATIVE PRODUCTS
941 NORTH ELM STREET, STE. C
ORANGE, CA 92667
PH: (714) 744-6020 FX: (714) 744-6030

TITLE: E3 HURRICANE BIFOLD DOOR COMPONENTS
PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

| REVISIONS | | DATE |
|-----------|-----------------------------|------|
| NO. | DESCRIPTION | BY |
| 1 | 2010 FBC CODE UPDATE | MS |
| 2 | 5TH EDITION FBC CODE UPDATE | MS |
| 3 | MD PER COMMENTS | SM |



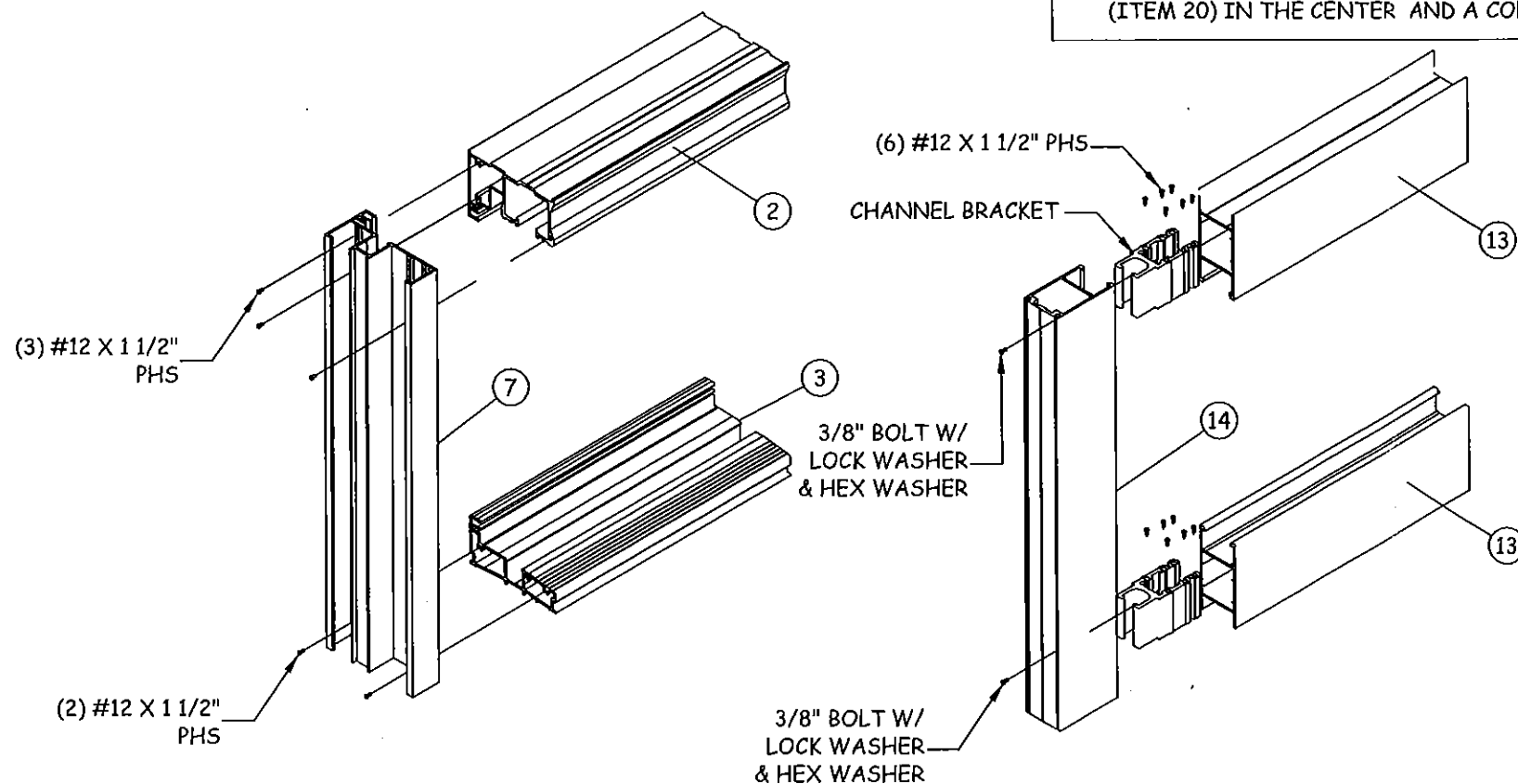
PRODUCT REVISION
as complying with the Florida
Building Code
Acceptance No. 14-0303-03
Expiration Date 7/21/21
By: J. L. J. (JLA)
Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0916-09
Expiration Date 7/21/16
By: J. L. J. (JLA)
Product Control

| | | | |
|----------------|-------------|-------------|------------|
| DATE: 10.6.10 | DWN BY: JLA | CHK BY: KSD | SCALE: NTS |
| DWG #: CIP001 | | | |
| SHEET: 9 OF 11 | | | |

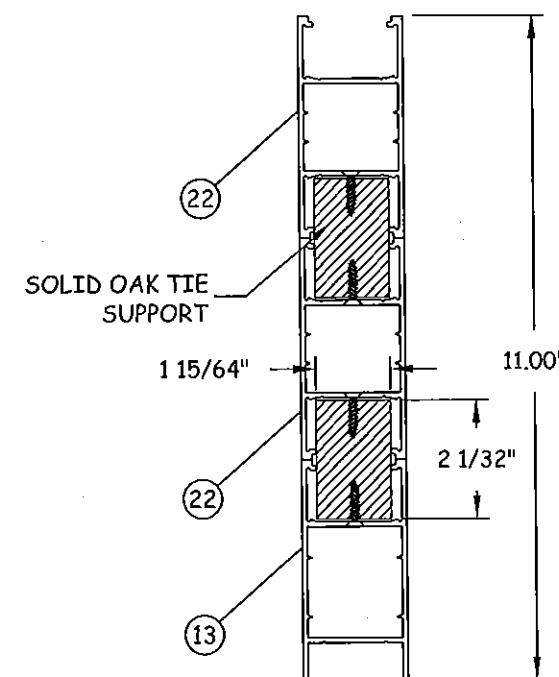
| PANEL CT. | QUALIFIED CONFIGURATIONS | | | | | | | | |
|-----------|--------------------------|------|------|------|------|------|------|------|----|
| 1 | 1L | 1R | - | - | - | - | - | - | - |
| 2 | 1L1R | 2L | 2R | - | - | - | - | - | - |
| 3 | 1L2R | 2L1R | 3L | 3R | - | - | - | - | - |
| 4 | 1L3R | 3L1R | 2L2R | 4L | 4R | - | - | - | - |
| 5 | 1L4R | 4L1R | 2L3R | 3L2R | 5L | 5R | - | - | - |
| 6 | 1L5R | 5R1L | 2L4R | 4R2L | 3L3R | 6L | 6R | - | - |
| 7 | 1L6R | 6L1R | 2L5R | 5L2R | 3L4R | 4R3L | 7L | 7R | - |
| 8 | 1L7R | 7L1R | 2L6R | 6L2R | 3L5R | 5L3R | 4L4R | 8L | 8R |
| 9 | 1L8R | 8L1R | 2L7R | 7L2R | 3L6R | 6R3L | 4L5R | 5L4R | - |
| 10 | 2L8R | 8L2R | 3L7R | 7L3R | 4L6R | 6L4R | 5L5R | - | - |
| 11 | 3L8R | 8L3R | 4L7R | 7L4R | 5L6R | 6L5R | - | - | - |
| 12 | 4L8R | 8L4R | 5L7R | 7L5R | 6L6R | - | - | - | - |
| 13 | 5L8R | 8L5R | 6L7R | 7L6R | - | - | - | - | - |
| 14 | 6L8R | 8L6R | 7L7R | - | - | - | - | - | - |
| 15 | 7L8R | 8L7R | - | - | - | - | - | - | - |
| 16 | 8L8R | - | - | - | - | - | - | - | - |

- NOTES:
1. MAXIMUM PANEL SIZE: 36" X 96".
 2. END PANEL HARDWARE:
 - A. ODD TO ODD PANELS (I.E. 3L3R CONFIG.)- REQUIRE 4-PT LOCK (ITEM 17) OR 2-PT LOCK (ITEM 16) ON ACTION PANEL (#3L OR #3R) AND 2-PT LOCK (ITEM 16) ON THE STRIKE-PLATE PANEL (#3R OR #3L)
 - B. ODD TO EVEN PANELS (I.E. 3L2R CONFIG.)- REQUIRE 4-PT LOCK (ITEM 17) OR 2-PT LOCK (ITEM 16) ON ACTION PANEL (#3L) AND ONE END CARRIER (ITEM 21) (#2R)
 - C. EVEN TO EVEN PANELS (I.E. 2L4R CONFIG.) - REQUIRE ONE END CARRIER (ITEM 21) ON BOTH PANELS (#2L AND #4R);
 - D. ODD PANEL INTO JAMB (I.E. 5L CONFIG.) - REQUIRE EITHER 4-PT LOCK (ITEM 17) OR 2-PT LOCK (ITEM 16) ON ACTION PANEL (#5L)
 - E. EVEN PANEL INTO JAMB (I.E. 6L) - REQUIRE ONE END CARRIER (ITEM 21) (#6L)
 3. HINGED JOINT PANELS - ALL HINGED PANELS REQUIRE THREE HINGES (ITEM 19) AND TWO 2-PT LOCKS (ITEM 16)
 4. CARRIER JOINT PANELS - ALL EVEN NUMBERED PANELS REQUIRE AN ICS (ITEM 20) AT THE TOP OF THE PANEL, A HINGE (ITEM 20) IN THE CENTER AND A CONCEALED INTERMEDIATE GUIDE (ITEM 20) AT THE BOTTOM



L
10 FRAME CORNER DETAIL
DOOR FRAME WITH STANDARD SILL SHOWN

M
10 PANEL CORNER DETAIL
DOOR PANEL



N
10 VERTICAL SECTION
OPTIONAL HIGH BOTTOM RAIL (WOOD REINFORCED)

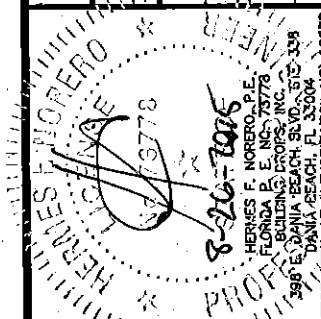
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|---|---|--|-------------|-------------|------------|
| PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. <u>16-0303-03</u> Expiration Date <u>7/21/21</u> By: <u>Ismael L. Chaudhry</u> <u>National Building Product Control</u> | PRODUCT REVISED as complying with the Florida Building Code Acceptance No. <u>14-0910-09</u> Expiration Date <u>7/21/16</u> By: <u>Ismael L. Chaudhry</u> <u>National Building Product Control</u> | DATE: 10.6.10 | DWN BY: JLA | CHK BY: KSD | SCALE: NTS |
| | | DWG #: CIP001 SHEET: 10 OF 11 | | | |

COASTAL INNOVATIVE PRODUCTS
941 NORTH ELM STREET, STE. C
ORANGE, CA 92667
PH: (714) 744-6020 FX: (714) 744-6030

TITLE: E3 HURRICANE BIFOLD DOOR
CORNER DETAILS & CONFIGURATIONS

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

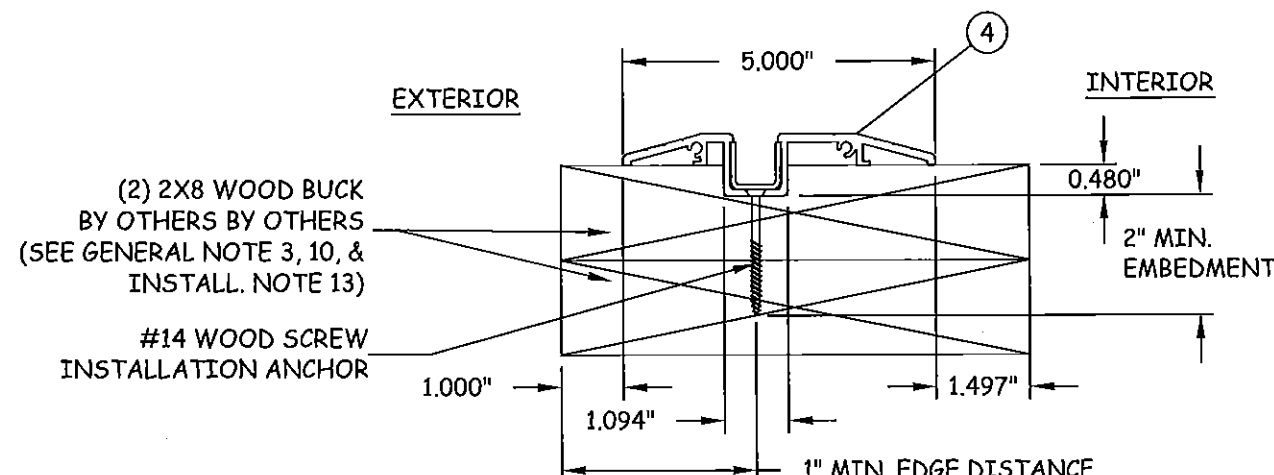
| REVISIONS | | DATE |
|-----------|-----------------------------|------|
| NO. | DESCRIPTION | BY |
| A | 2010 FBC CODE UPDATE | MS |
| B | 5TH EDITION FBC CODE UPDATE | MS |
| C | MD RER COMMENTS | SM |



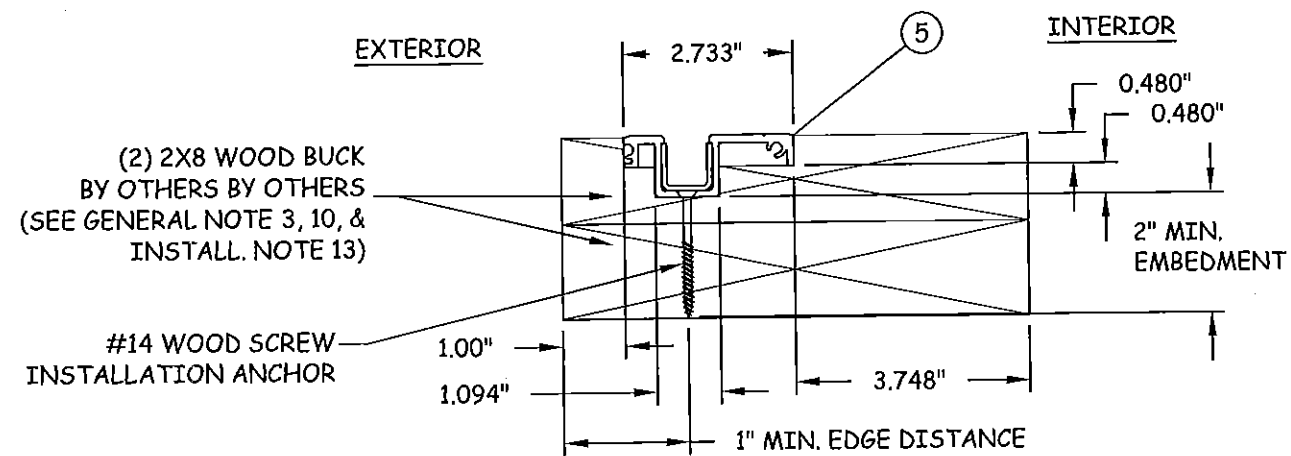


COASTAL INNOVATIVE PRODUCTS
941 NORTH ELM STREET, STE. C
ORANGE, CA 92867
PH: (714) 744-6020 FX: (714) 744-6030

TITLE: E3 HURRICANE BIFOLD DOOR
INSTALLATION
PREPARATION DETAILS
PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

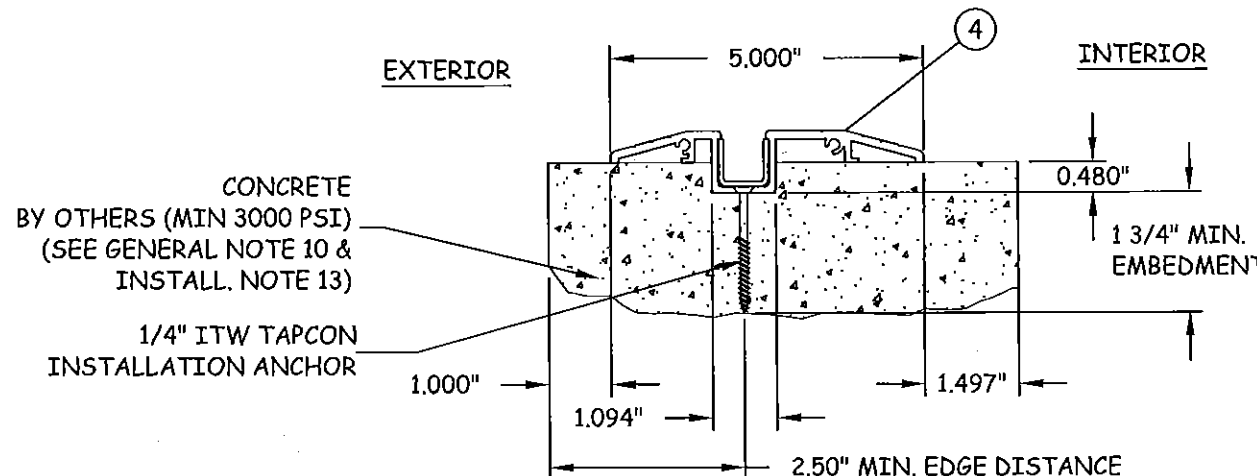


S11 LOW-RISE SILL DETAIL
2X8 WOOD BUCK INSTALLATION PREPARATION

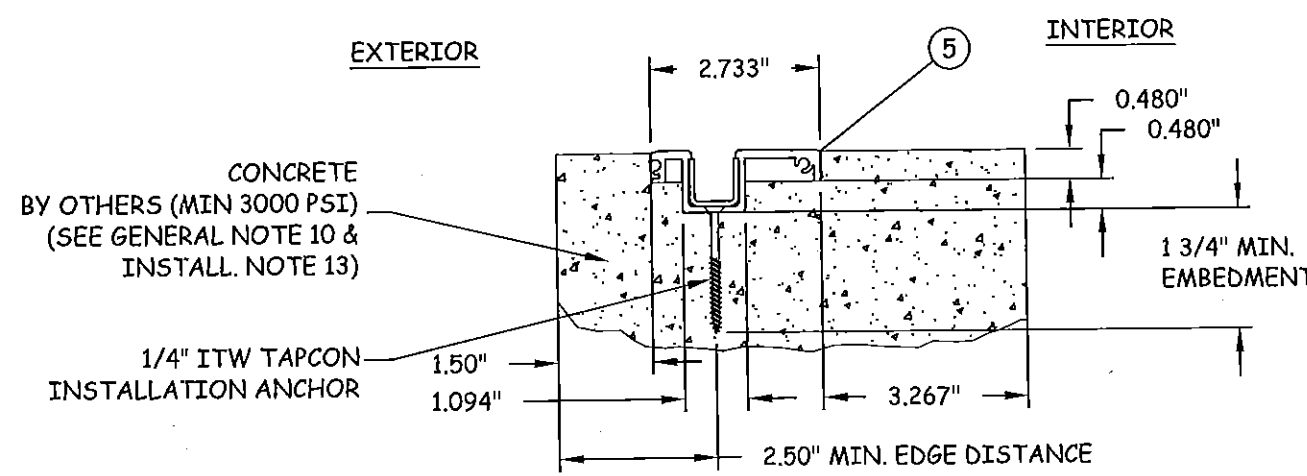


U11 FLUSH SILL DETAIL
2X8 WOOD BUCK INSTALLATION PREPARATION

ALL SUBSTRATES MUST BE RECESSED AND/OR ROUTED TO ACCOMMODATE THESE COMPONENTS PRIOR TO INSTALLATION. ALL EDGE DISTANCES AND EMBEDMENTS FOR ANCHORS MUST BE MAINTAINED AS NOTED IN THIS SHEET.



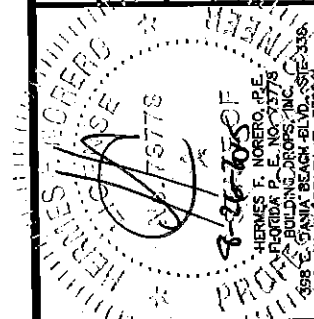
T11 LOW-RISE SILL DETAIL
CONCRETE INSTALLATION PREPARATION



V11 FLUSH SILL DETAIL
CONCRETE INSTALLATION PREPARATION

REVISIONS

| NO. | DESCRIPTION | BY | DATE |
|-----|-----------------------------|----|---------|
| A | 2010 FBC CODE UPDATE | MS | 2.21.12 |
| B | 5TH EDITION FBC CODE UPDATE | MS | 7.11.14 |
| C | MD RER COMMENTS | SM | 7.28.15 |



| | | | |
|---|---|---|------------------------------|
| PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. 16-0303.03 Expiration Date July 21, 2021 By: [Signature] Manual Date Product Control | PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 14-0910.09 Expiration Date July 21, 2020 By: [Signature] Manual Date Product Control | DATE: 10.6.10 DWN BY: JLA CHK BY: KSD SCALE: NTS | DWG #: 16 SHEET: 11 OF 11 |
|---|---|---|------------------------------|